

REMEDIAL SITE ASSESSMENT DECISION - EPA REGION 7

SITE NAME: Standard Products/West Kellogg

KDHE ID #: C2-087-72515 EPA ID#: KSN000706571

Alias/Alternate Site Names:

City: Washington

County: Sedgwick

State: Kansas

Refer to Report Dated: March, 2014

Report type: Preliminary Assessment (PA)

Report developed by: Kansas Department of Health and Environment/Bureau of Environmental Remediation (KDHE/BER)

Project Manager: Jon Vopata, KDHE/BER

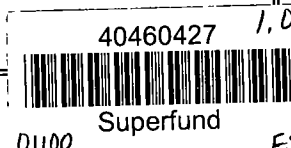
DECISION: The PA has identified several domestic wells with tetrachloroethylene (PCE) above Maximum Contaminant Levels (MCLs). A higher-priority Site Inspection (SI) is recommended to further identify additional domestic wells that may be impacted and a source area for the contamination.

DISCUSSION/RATIONALE: The Standard Products property is located at 7920 West Kellogg in Wichita, Sedgwick County, Kansas. Standard Products historically operated at multiple sites in Wichita, and of these two have documented radium-226 contamination. Three Standard Product properties were investigated by KDHE through Unified Focused Assessments (UFAs). National Cash Register (NCR) was a parent company of Standard Products and operated at the West Kellogg location between 1970 and 1998. The West Kellogg facility does not appear to have held a Kansas Radioactive Materials License. Soil samples collected during the UFA at the West Kellogg property, approved by KDHE in January, 2010, indicated no elevated levels of heavy metals above residential RSK levels or radium-226 above the screening level of 5 picoCuries per gram plus background in soils or the screening level of 5 picoCuries per liter for groundwater samples. PCE was detected in all three groundwater samples at concentrations ranging between 1.8 and 8.1 µg/L. The maximum detection of 8.1 µg/L was identified in sample SP-2, assumed to be on the upgradient side of the property.

The UFA portion of the State Response Grant was eliminated in 2010-2011. KDHE reviewed completed UFAs to determine if additional site assessment was appropriate, and in 2013 KDHE conducted a Site Evaluation (SE) of the Standard Products/West Kellogg site. During the SE, an additional seven direct-push groundwater samples were collected in the assumed upgradient direction from the Standard Products/West Kellogg property investigated during the UFA. PCE was detected at a maximum concentration of 7.4 µg/L, above its MCL, in SE-5 approximately 1,500 feet upgradient of the UFA SP-2 sample location. This sample location is within a residential area with no apparent source area for PCE nearby. A PA was recommended upon completion of the SE.


During the PA, a door-to-door search was conducted upon identifying an area in January 2014 that had apparently not been historically connected to the City of Wichita Public Water Supply. Six domestic wells were sampled in February, 2014. Three of these wells, Anderson, Stover, and Nibarger, indicated PCE above the MCL. Three of these wells, the Monroe, Emprise Bank Trust, and Brown wells, did not indicate PCE above the MCL. The maximum detection was 554 µg/L in the Anderson well.

Since multiple domestic wells have been identified as impacted above the MCL for PCE, a higher-priority SI is recommended to identify additional potentially impacted domestic wells, determine a source area, and evaluate other KDHE or Federal programmatic options for the impacted domestic wells.



Report Reviewed and

Approved by: Randolph L. Brown, P.G., KDHE/BER


Signature: 

DU00

Date: 03/24/2014

Site Decision Concurrence

Made by: Paul Roerman, Kansas SAM, EPA

Signature: 

Date: 5/30/14